



# UNITED STATES PATENT AND TRADEMARK OFFICE

57  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,211	10/15/2003	Michelle A. Mann	10990385-2	5899

7590 10/05/2004  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER

WILLIAMS, KEVIN D

ART UNIT	PAPER NUMBER
----------	--------------

2854

DATE MAILED: 10/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/686,211

**Applicant(s)**

MANN ET AL.

**Examiner**

Kevin D. Williams

**Art Unit**

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 9-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 9-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 11-14 are objected to because of the following informalities:

Claim 9 recites "the printhead scans and prints on the media sheets along an axis parallel to the length of the media sheets." Claim 11 is inconsistent with claim 9, from which it depends, because claim 11 recites "the printhead scans and prints on the media sheets along an axis parallel to the width of the media sheets." The printhead cannot scan and print along both the length and width of the sheets. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor (US 5,305,183) in view of Batra (US 6,588,869).

Teynor teaches a printer 208 (col. 6, lines 48-51) comprising first internal electronic components (electronics associated with printer 208) configured to mate with second internal electronic components 225 of a set top box 10 for sharing the first and second internal electronic components with each other, media sheets having a length

Art Unit: 2854

and width where the length is greater than the width, and a printhead that prints information on the sheets.

Teynor does not disclose the specifics of the printer and therefore does not expressly teach an input area capable of holding media sheets, the length of the sheets extending from a front to a back of the printer, the printhead scanning and printing on the media sheets along an axis parallel to the length of the media sheets, an output area that holds the media sheets, at least one roller capable of advancing the media sheets from the input area to the printhead and from the printhead to the output area.

Batra teaches an input area 124 capable of holding media sheets, the length of the sheets extending from a front to a back of the printer, the printhead 520 scanning and printing on the media sheets along an axis parallel to the length of the media sheets (col. 7, lines 40-65), an output area 122 that holds the media sheets, at least one roller 508 capable of advancing the media sheets from the input area to the printhead and from the printhead to the output area.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Teynor to have the printer arrangement as taught by Batra, in order to provide easy access to the paper trays and the printer components as taught by Batra.

4. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor in view of Batra as applied to claims 9 and 10 above, and further in view of Negatu (US 6,454,476).

Teynor in view of Batra teaches the claimed invention except for the printhead scanning and printing on the sheets along an axis parallel to the width of the sheets.

Negatu teaches a printhead scanning and printing on sheets along an axis parallel to the width of the sheets (Fig. 1).

It would have been obvious to one of ordinary skill in the art at the time of the invention to additionally modify Teynor to have the printer arrangement as taught by Negatu, in order to accommodate the printer components in the printer in the best manner according to the particular design of the printer at hand.

5. Claims 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor in view of Batra and Negatu as applied to claim 11 above, and further in view of Olson (US 5,838,338).

Teynor teaches the claimed invention except for the output area having a curved shape and an open slot for retrieving output media sheets.

Olson teaches an output area 32 having a curved shape.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Teynor to have the curved output area as taught by Olson, in order to bow the sheets thereby making the sheets more rigid and easier to handle.

Batra teaches an open slot 122 for retrieving output media sheets.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Teynor to have the open slot as taught by Batra, in order to provide for easy access to the output sheets.

Art Unit: 2854

6. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor in view of Batra, Negatu, and Olson as applied to claims 12 and 13 above, and further in view of Smith (US 5,651,625).

Teynor in view of Batra, Negatu, and Olson teaches the claimed invention except for a door for retrieving output media sheets.

Smith teaches a printer comprising a door 30 for retrieving output media sheets.

It would have been obvious to one of ordinary skill in the art at the time of the invention to additionally modify Teynor to have the door as taught by Smith, in order to protect the media sheets from the environment.

7. Claims 15-18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor in view of Olson (US 5,838,338).

Teynor teaches a method for printing information comprising mating together first internal electronic components (electronics associated with printer 208) of a printer 208 and second internal components 225 of a set top box via an access area of the printer, where the printer and the set top box are configured to share the first and second internal electronic components between each other.

Teynor does not disclose the specifics of the printer and therefore does not expressly teach scanning the printhead on the media sheet along an axis from a front to a back of the input area and parallel to the width of the media sheet, storing the output media sheets in a semi-curved up position, holding the media sheets in an output area after printing, advancing the media sheets from the input area to the printhead and from

Art Unit: 2854

the printhead to the output area with at least one roller, and an open slot for retrieving output media sheets.

Olson teaches scanning the printhead 52 on the media sheet along an axis from a front to a back of the input area and parallel to the width of the media sheet, storing output media sheets in a semi-curved up position 32, holding media sheets in an output area 32 after printing, advancing the media sheets from an input area to the printhead and from the printhead to the output area with at least one roller 70, and an open slot 32,25 for retrieving output media sheets.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Teynor to have the printer arrangement as taught by Olson, in order to accurately feed and print on the media.

8. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor in view of Olson as applied to claims 15-18 above, and further in view of Smith.

Teynor in view of Olson teaches the claimed invention except for a door for retrieving output media sheets.

Smith teaches a printer comprising a door 30 for retrieving output media sheets.

It would have been obvious to one of ordinary skill in the art at the time of the invention to additionally modify Teynor to have the door as taught by Smith, in order to protect the media sheets from the environment.

9. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teynor in view of Batra and Olson.

Teynor teaches a printer comprising first internal electronic components (electronic associated with printer 208) configured to mate with second internal electronic components 225 of a set top box 10, wherein the printer and set top box share the first and second internal electronic components with each other during operation of at least one of the printer and the set top box.

Teynor teaches the claimed invention except for an input tray for holding media sheets, a printhead for scanning and printing across the length of the media sheets in a landscape orientation, an output area for holding the output media sheets in a semi-curved position, and at least one roller for moving the media sheets from the input tray to the printhead and from the printhead to the output area.

Batra teaches an input tray 124 for holding media sheets, a printhead 520 for scanning and printing across the length of the media sheets in a landscape orientation, an output area 122 for holding the output media sheets, and at least one roller 508 for moving the media sheets from the input tray to the printhead and from the printhead to the output area.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Teynor to have the printer arrangement as taught by Batra, in order to provide easy access to the paper trays and the printer components as taught by Batra.

Olson teaches an output area 32 for holding sheets in a semi-curved position.



It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Teynor to have the curved output area as taught by Olson, in order to bow the sheets thereby making the sheets more rigid and easier to handle.


***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin D. Williams whose telephone number is (571) 272-2172. The examiner can normally be reached on Monday - Friday, 8:30am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KDW  
October 1, 2004

  
STEPHEN R. FUNK  
PRIMARY EXAMINER